How to Use SNAP Queries in HQ BOA

SNAP Means “Snap Shot”.

These Queries were first developed by Donita Ackely, a database expert, on HQ ACPERS. Our thanks to her for this technique

SNAP Notes

- The CPS and CAM tables are where the history is
  - Records go back a **long** way but the more consistent data begins in 1994-95
  - If you use the data before that period of time, use excel to really check the data for correctness… data systems in years past were not as robust as they are today
  - Any errors you find --- such as bad PATCOBS --- probably **won't** be changed unless there is a major statutory issue
- Use CAM for most of your SNAPs

SNAP Notes

- If you select a field from CPMF and fields from CPS or CAM, it will mechanically work **but** if the data from the tables don't match (relate) you won't get good results
  - If the data in CPMF does not exist in CPS, then there is nothing to relate (match) and you won't get good data
  - The CPMF table is current while the CPS and CAM are history
    - For example if the organization as it exists now has person X and that person's name is not in CAM or CPS, then there is nothing to create a result with
    - If the organization's UIC in CPMF is different from the UIC it had in 1993, then the results won't match
    - Way back then, before modern, the CCPO-IDs were different

SNAP Notes

- The CAM table is the master table. CPS is the transaction history
  - If you want award history of a person use CAM and maybe CPS normally as you would any other roster … paying attention to effective dates
  - If you want award history of an organization then use these SNAP queries with the specialized conditions

SNAP Notes

- The reason SNAPS work is that at each data cycle records are updated
  - Each record therefore has a transaction of some sort
  - The SNAPS count the fact that each record has had a transaction… since each record has had a transaction during that time period then a count of these results in the number of employees effected by that period of time

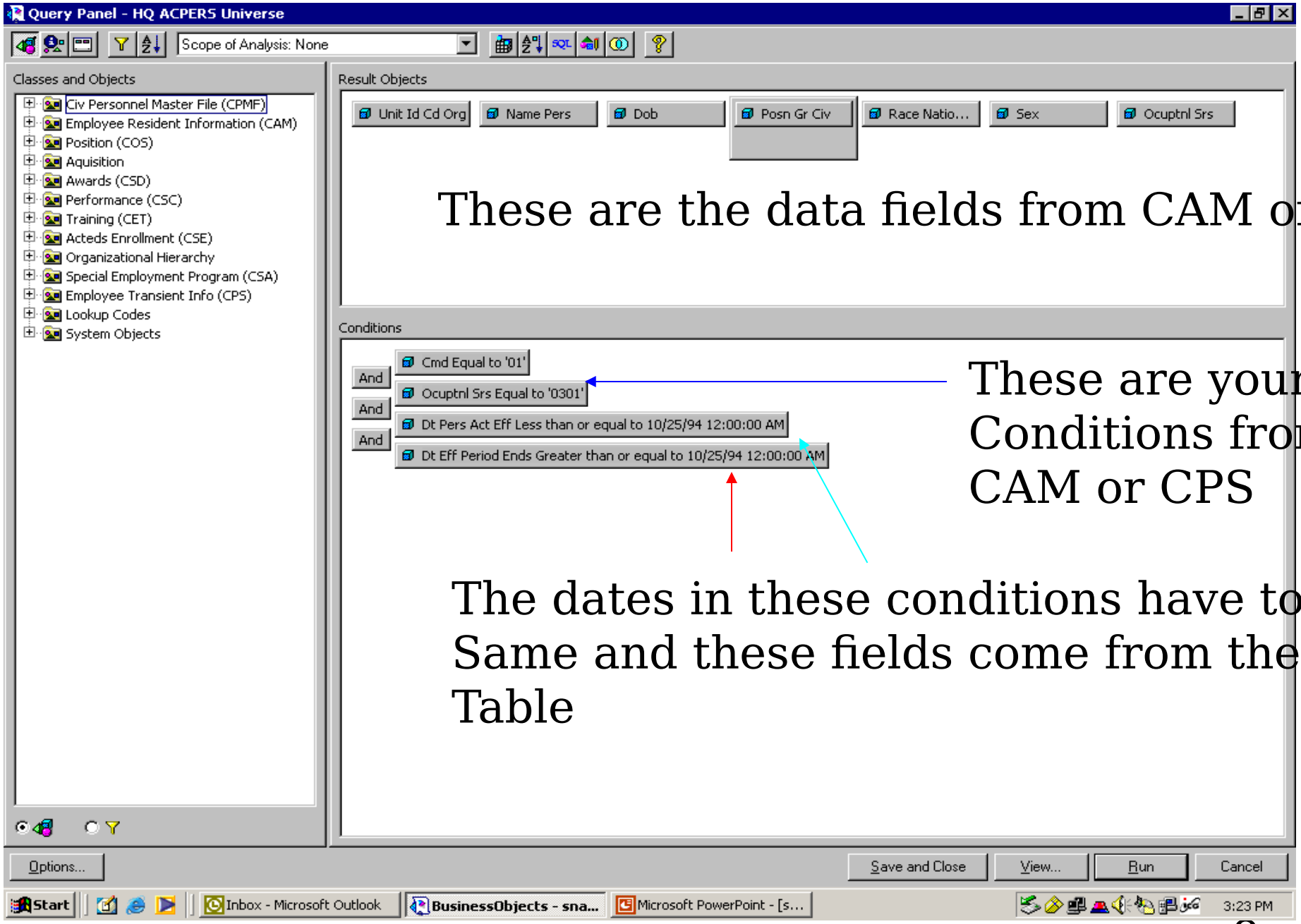
SNAP Notes

- This means that if 1k employees had record updates (like UIC change, pay raise, update) in 1995, then there must be 1k employees in 1995
- SNAPS don’t work well in the current FY since not all the records have been updated but work well in previous FYs because all the records were updated in that FY

SNAP Notes

- Remember…. History means exactly that… times change and the data state of the organization back then doesn't always match the organization as it exists today
- You need to be knowledgeable of what the data elements are and what they do and don't do
- The CAM and CPS tables are **huge** and complex queries will take **a long time**
- If you link the CAM or CPS to the CPMF your the query will take even longer

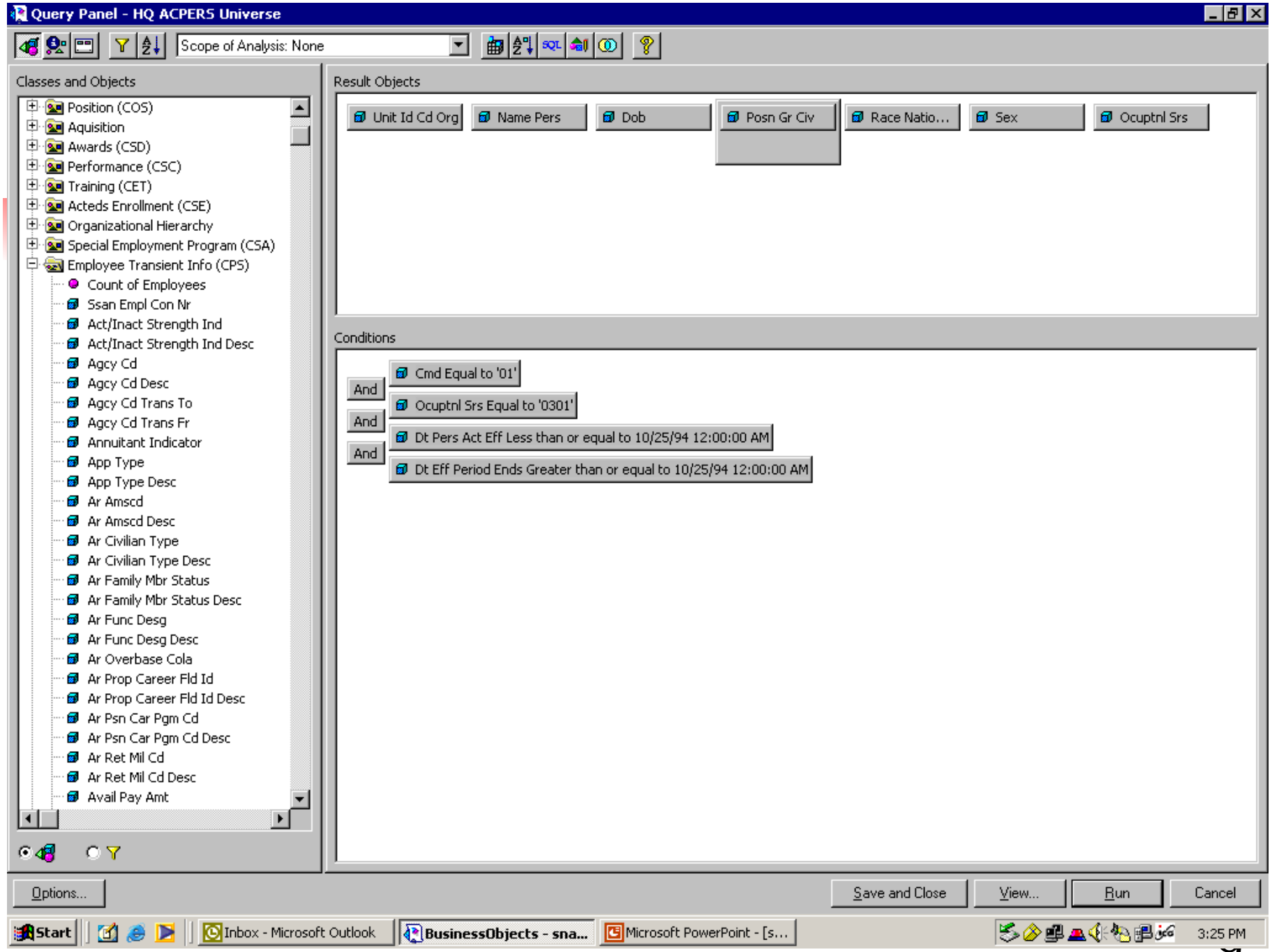
Keep these types of queries simple

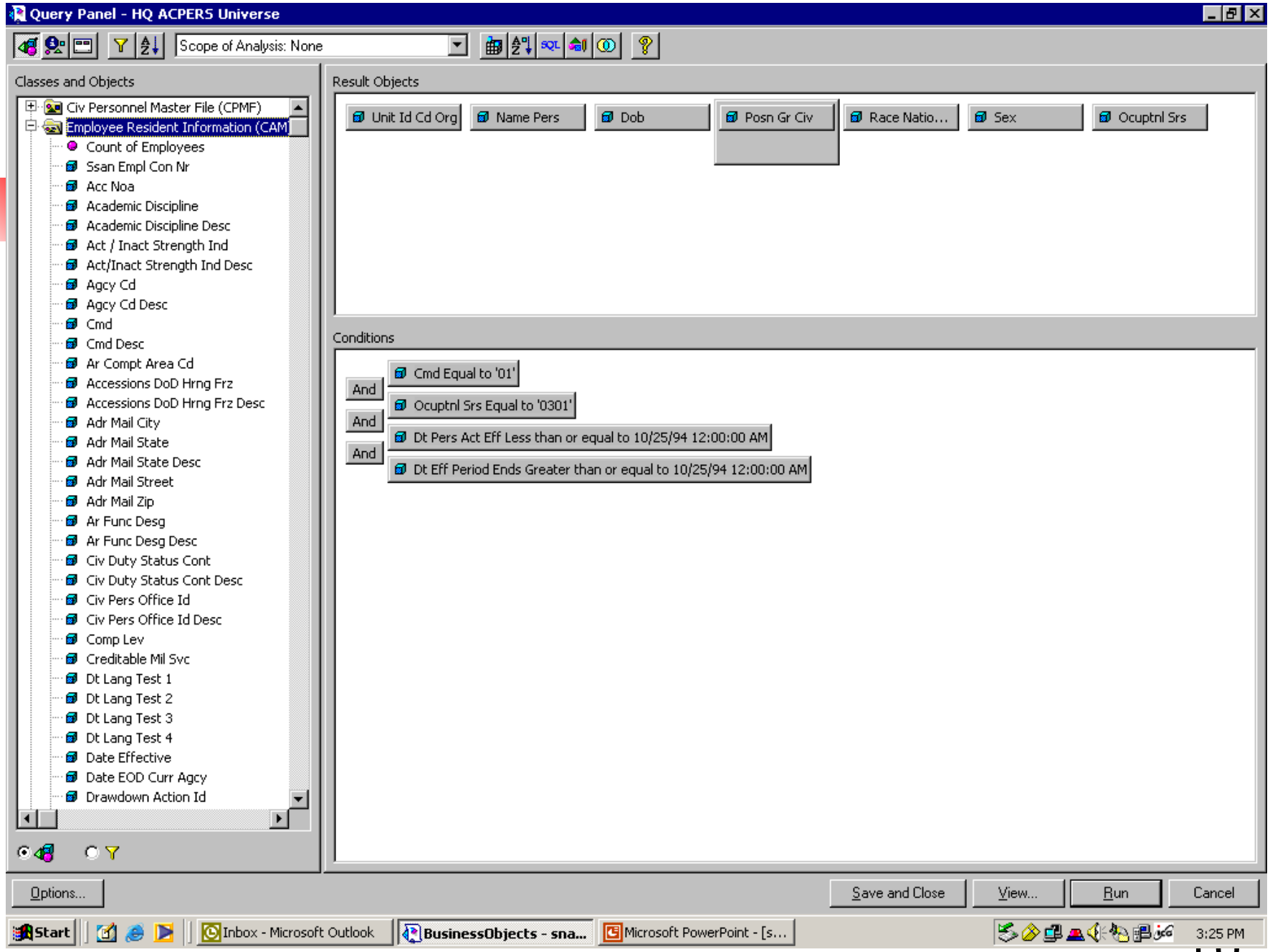


These are the data fields from CAM or C

These are your Conditions from CAM or CPS

The dates in these conditions have to b Same and these fields come from the C Table


Query Panel - HQ ACPERS Universe
Scope of Analysis: None
Classes and Objects
Position (COS)
Aquisition
Awards (CSD)
Performance (CSC)
Training (CET)
Acteds Enrollment (CSE)
Organizational Hierarchy
Special Employment Program (CSA)
Employee Transient Info (CPS)
Count of Employees
Ssan Empl Con Nr
Act/Inact Strength Ind
Act/Inact Strength Ind Desc
Agcy Cd
Agcy Cd Desc
Agcy Cd Trans To
Agcy Cd Trans Fr
Annuitant Indicator
App Type
App Type Desc
Ar Amscd
Ar Amscd Desc
Ar Civilian Type
Ar Civilian Type Desc
Ar Family Mbr Status
Ar Family Mbr Status Desc
Ar Func Desg
Ar Func Desg Desc
Ar Overbase Cola
Ar Prop Career Fld Id
Ar Prop Career Fld Id Desc
Ar Psn Car Pgm Cd
Ar Psn Car Pgm Cd Desc
Ar Ret Mil Cd
Ar Ret Mil Cd Desc
Avail Pay Amt
Result Objects
Unit Id Cd Org
Name Pers
Dob
Posn Gr Civ
Race Natio...
Sex
Ocuptnl Srs
Conditions
Cmd Equal to '01'
And
Ocuptnl Srs Equal to '0301'
And
Dt Pers Act Eff Less than or equal to 10/25/94 12:00:00 AM
And
Dt Eff Period Ends Greater than or equal to 10/25/94 12:00:00 AM
Options...
Save and Close
View...
Run
Cancel
Start
Inbox - Microsoft Outlook
BusinessObjects - sna...
Microsoft PowerPoint - [s...
3:25 PM


Query Panel - HQ ACPERS Universe
Scope of Analysis: None
Classes and Objects
Civ Personnel Master File (CPMF)
Employee Resident Information (CAM)
Count of Employees
Ssan Empl Con Nr
Acc Noa
Academic Discipline
Academic Discipline Desc
Act / Inact Strength Ind
Act/Inact Strength Ind Desc
Agcy Cd
Agcy Cd Desc
Cmd
Cmd Desc
Ar Compt Area Cd
Accessions DoD Hrng Frz
Accessions DoD Hrng Frz Desc
Adr Mail City
Adr Mail State
Adr Mail State Desc
Adr Mail Street
Adr Mail Zip
Ar Func Desg
Ar Func Desg Desc
Civ Duty Status Cont
Civ Duty Status Cont Desc
Civ Pers Office Id
Civ Pers Office Id Desc
Comp Lev
Creditable Mil Svc
Dt Lang Test 1
Dt Lang Test 2
Dt Lang Test 3
Dt Lang Test 4
Date Effective
Date EOD Curr Agcy
Drawdown Action Id
Result Objects
Unit Id Cd Org
Name Pers
Dob
Posn Gr Civ
Race Natio...
Sex
Ocuptnl Srs
Conditions
Cmd Equal to '01'
And
Ocuptnl Srs Equal to '0301'
And
Dt Pers Act Eff Less than or equal to 10/25/94 12:00:00 AM
And
Dt Eff Period Ends Greater than or equal to 10/25/94 12:00:00 AM
Options...
Save and Close
View...
Run
Cancel
Start
Inbox - Microsoft Outlook
BusinessObjects - sna...
Microsoft PowerPoint - [s...
3:25 PM